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(54) CEMENT CLINKER AND CEMENT COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a cement clinker which has an improved reduction ratio of compressive strength even in the case of a high phosphor content, and a cement composition produced from the clinker.

SOLUTION: The cement clinker is obtained by burning the raw material for a cement clinker containing waste having a high phosphor content (such as the incineration products of sewerage sludge, incineration ashes of municipal waste and steel making slag), and having a P2O5 content of 0.3 to 2.5 mass%. The clinker has a hydraulic modulus(HM) of 1.8 to 2.15, a silica modulus(SM) of 1.3 to 2.4, and an MgO content of 1.0 to 5.0 mass%. Further, the cement composition is obtained by mixing the cement clinker with gypsum so that the total SO3 content is controlled to 1.5 to 4.0 mass%, and by pulverizing the mixture/or individually pulverizing the clinker and gypsum each other, and mixing them.

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